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TALON LPE

Closure Report

Paul Tank Battery
Eddy County, New Mexico
Incident # nAB1708850091

Prepared For:

Matador Resources
5347 N. 26th Street, 2nd Floor
Artesia, New Mexico 88210

Prepared By:

Talon/LPE, Ltd.
408 W. Texas Avenue
Artesia, New Mexico 88210

May 31, 2024

New Mexico Oil Conservation District
506 W. Texas Ave
Artesia, New Mexico 88210

Subject: **Closure Report**
Paul Tank Battery
Eddy County, New Mexico
Incident # nAB1708850091

To Whom It May Concern,

Matador Resources contracted Talon/LPE, Ltd. (Talon) to complete remediation and closure activities at the above referenced location. The incident description, soil sampling results, remedial actions, and closure request are presented herein.

Site Information

The Paul Tank Battery is located approximately 2.4 miles southeast of Malaga, New Mexico. The legal location for this release is Unit Letter D, Section 25, Township 24S, and Range 28E in Eddy County, New Mexico. The latitude and longitude for the site is 32.194841, -104.048722. Site maps are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Karo loam and Reeves loam with 0 to 1 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of the Rustler Formation sediments consisting of siltstones, gypsum, sandstone, and dolomite, Upper Permian in age. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

Based on New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 90 feet below ground surface (bgs) and is located approximately 0.41 miles from the subject site.

The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst indicates that the site is located in a medium potential karst area. See Appendix II for the site characterization data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?	Between 51 - 100 (ft bgs)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse.	Between 1 -5 mi
Distance from any lakebed, sinkhole, or playa lake.	Between 1 -5 mi
Distance from an occupied permanent residence, school, hospital, institution, or church.	Between 1/2 and 1 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 1/2 and 1 mi
Distance from any fresh water well or spring.	Between 1/2 and 1 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field.	Between 1 - 5 mi
Distance from a wetland.	Greater than 5 mi
Distance from a subsurface mine.	Greater than 5 mi
Distance from (non-karst) unstable area.	Greater than 5 mi
Categorize the risk of this well/site being in a karst geology.	Medium
Distance from a 100 year floodplain.	Between 1 - 5 mi
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

The pasture portion of this incident must follow the closure criteria where groundwater is less than 50 feet bgs. The production pad portion of the incident follows closure criteria where groundwater is greater than 51 feet bgs.

Table I - Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Table I - Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
51-100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On December 25, 2016, approximately five (5) barrels (bbls) of crude oil were discharged onto the well pad due to an unclosed hatch when oil was transferred to a haul truck. A vacuum truck was dispatched and two (2) bbls of crude oil were recovered from the area. The release was reported to the NMOCD and was assigned incident # nAB1708850091.

Site maps of the release are presented in Appendix I. Initial C-141 spill notifications were filed with the NMOCD.

Site Assessment Activities

Thirteen (13) surface soil sample locations were collected on August 31, 2023. The samples (S-1 through S-13) were collected to establish horizontal delineation of the release. Three (3) soil samples (S-15, S-16, and S-17) were collected from the adjacent pasture areas.

On November 9, 2023, six (6) previous sample locations (S-1, S-2, S-3, S-4, S-12, and S-17) were resampled to determine vertical delineation utilizing test trenches completed with a backhoe. The sample areas (S-2, S-3, and S-4) were completed to a depth of 13 feet bgs. The sample area (S-1) was delineated at 1 foot bgs. The samples areas (S-12 and S-17) were completed to a final depth of 3 feet bgs.

On November 15, 2023, three (3) surface soil samples (S-18, S-19, and S-20) were collected from areas east, north, and west of the current tank battery location at the site.

Samples were taken and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico, for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B).

Results from the initial sampling event are presented on Table 1 in Appendix VI and the complete laboratory reports can be found in Appendix V. Sample locations are shown on the Assessment Map attached in Appendix I.

Remediation Activities

Upon client authorization, excavation activities began on December 6, 2023, and continued through December 18, 2023. Based upon assessment data, the previous spill was horizontally defined on the pad location. The adjacent pasture areas, as identified by the assessment sample areas S-12 and S-17, were completed to a depth of 5 feet bgs. The depth and horizontal extent of the pasture excavation was guided by onsite field titration data.

Final confirmation samples were collected on December 21, 2023, to confirm that NMOCD closure criteria had been met for all areas outside of the deferment area, the results of which can be found in Table 2 located in Appendix VI. Confirmation sample locations and excavation dimensions can be found on the Confirmation Map in Appendix I.

Samples were taken and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0/9056A), Total

Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B). Complete laboratory reports for the remediation efforts are attached in Appendix V and summarized in Tables 1 and 2 located in Appendix VI.

Regulatory Response

On February 2, 2024, the NMOCD denied the submitted closure report. The NMOD stated "Closure denied. Sample S-1 exceeds Table 1 closure criteria and was not addressed in remedial activities. Submit a report via the OCD permitting portal by June 7, 2024."

Corrective Action

On April 15, 2024, Talon personnel were mobilized to the subject location to collect additional delineation samples for the soil assessment area of S-1. The area was excavated to a depth of one (1) foot bgs. Composite samples were collected from the excavation bottom (C-1 0-1') and sidewalls (SW-1, SW-2, SW-3, and SW-4).

Samples were taken and transported with the chain of custody to the Envirotech, Inc. laboratory in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8021B). The laboratory report for the remediation effort is included in Appendix V and summarized in Table 2 located in Appendix VI.

Remedial Action Summary

- The impacted pasture areas were excavated to a final depth of 5 feet bgs. Talon field titrated soil samples for total chlorides to guide the vertical and horizontal extents of the excavation process.
- The area of S-1 on the pad location was excavated to a depth of 1 foot bgs. The confirmation samples were labeled C-1 0-1' for the bottom of the excavation and SW-1 through SW-4 for the corresponding sidewalls.
- Horizontal delineation outside of the release area was completed based on depth to groundwater criteria.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX, and Total Chlorides to insure all areas had reached NMOCD closure criteria.

- The excavated areas were backfilled with locally obtained topsoil.
- Approximately 142 cubic yards of excavated material was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- Photographic documentation is provided in Appendix IV.

Closure

Based on the site assessment and characterization data, remedial actions completed, and confirmation sampling results obtained for this project, on behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575) 746-8768.

Respectfully submitted,
Talon/LPE, Ltd.

Kayla Taylor
Project Manager

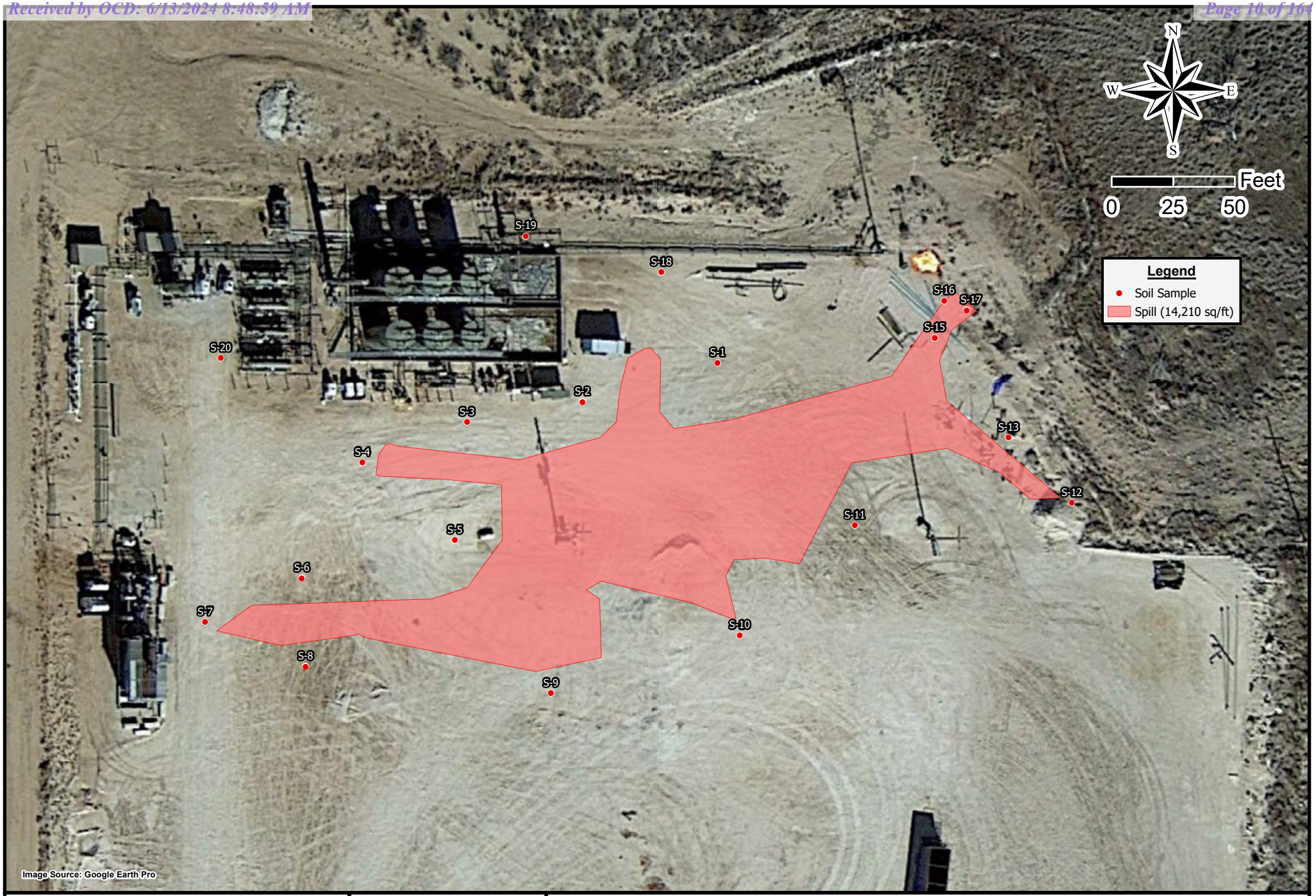
David J. Adkins
Regional Manager

Attachments:

Appendix I	Site Maps
Appendix II	Groundwater and Soil Data, FEMA Flood Map
Appendix III	C-141 Forms NMOCD Correspondence
Appendix IV	Photographic Documentation
Appendix V	Tables
Appendix VI	Laboratory Analytical Data

APPENDIX I

Site Maps



TALON LPE

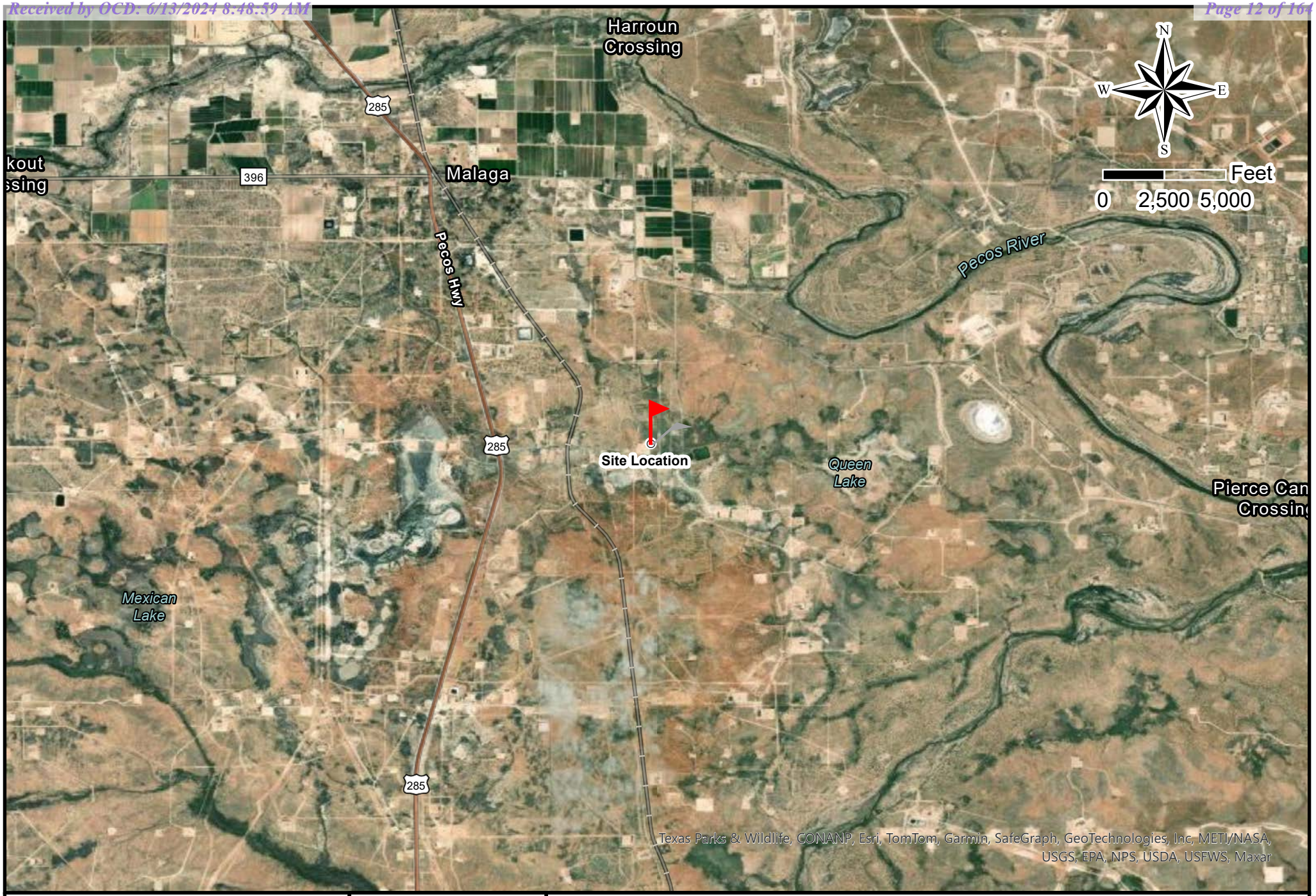
Drafted: 12/29/2023
1 in = 50 ft
Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Assessment Map

TALON LPE

Drafted: 12/29/2023
1 in = 30 ft
Drafted By: IJR

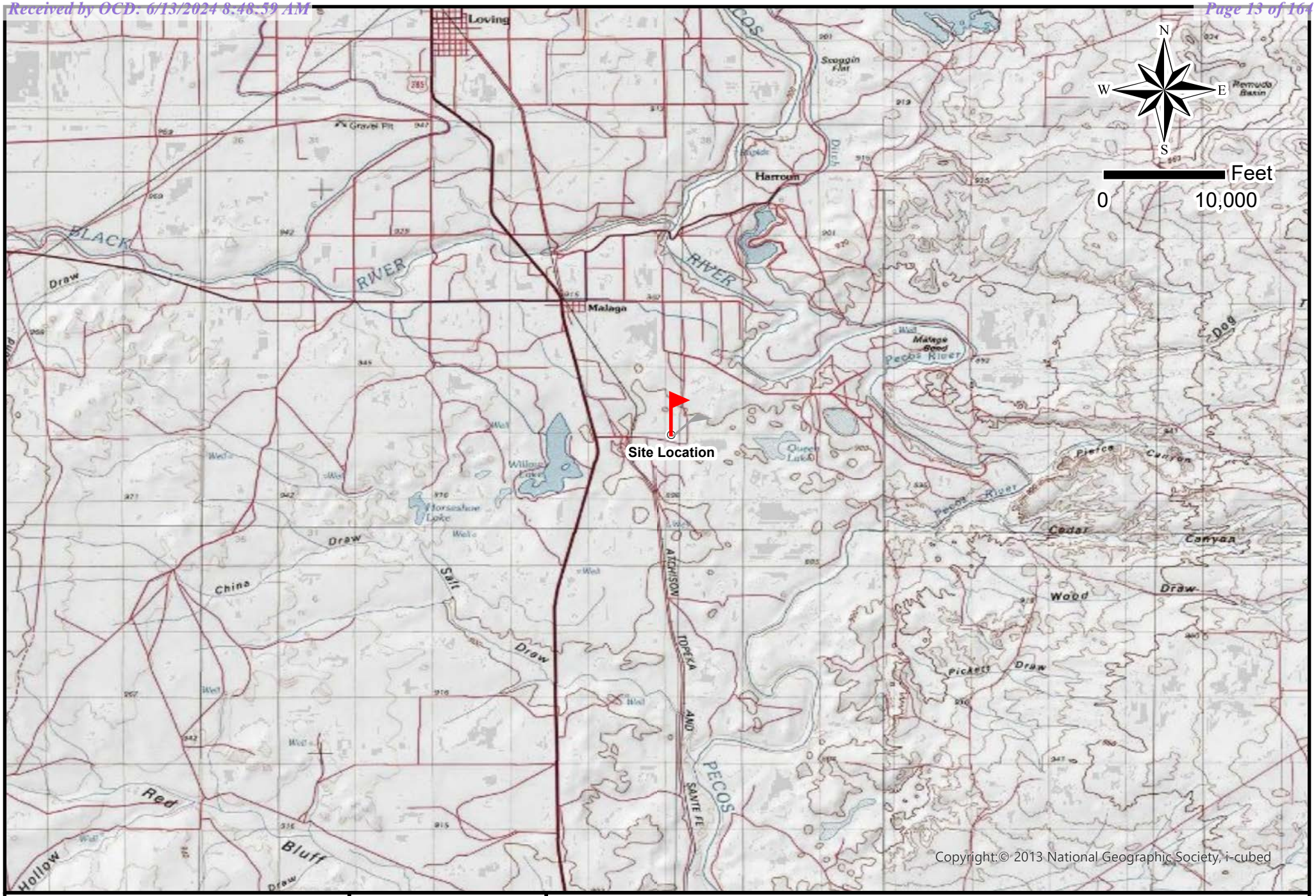
Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Confirmation Map



TALON LPE

Drafted: 12/29/2023
1 in = 5,000 ft
Drafted By: IJR

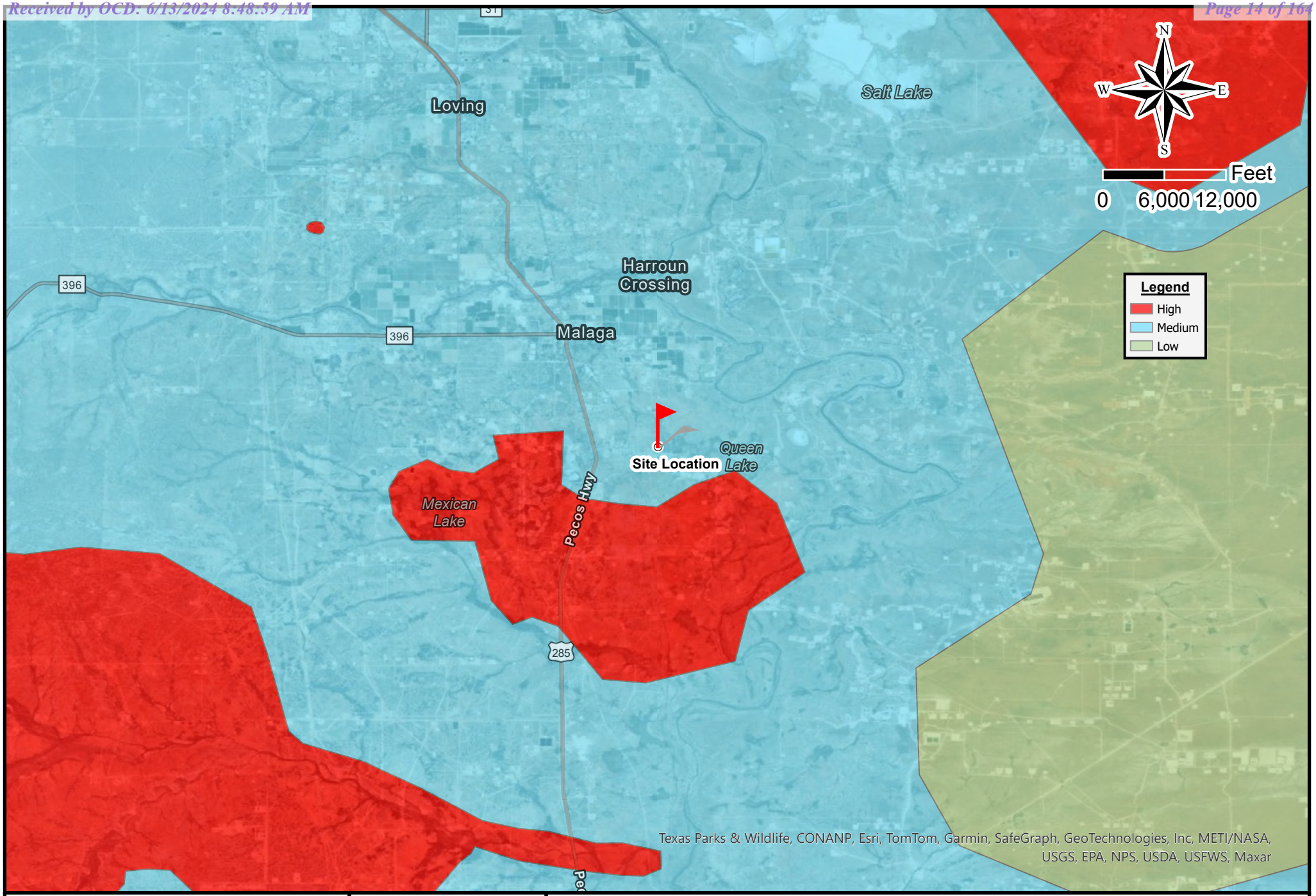
Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Location Map



TALON LPE

Drafted: 12/29/2023
1 in = 10,000 ft
Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Topographic Map



TALON LPE

Drafted: 12/29/2023
1 in = 12,000 ft
Drafted By: IJR

Matador Resources
Paul Tank Battery
Eddy County, NM
32.195663°, -104.048697°
Karst Map

APPENDIX II

Groundwater and Soil Data, FEMA Flood Map

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04026 POD1		CUB	ED	3	2	1	25	24S	28E	590148	3562290	480	190	90	100
C 04180 POD1		CUB	ED	2	1	2	26	24S	28E	589055	3562502	655	160	58	102
C 03833 POD1		C	ED	2	1	2	26	24S	28E	589014	3562545	698	96	55	41
C 03423		CUB	ED	2	4	1	26	24S	28E	588786	3561952	1068	126		
C 04151 POD1		CUB	ED	4	2	1	26	24S	28E	588584	3562192	1164	280	65	215
C 04181 POD1		CUB	ED	3	2	1	26	24S	28E	588450	3562146	1305	280	56	224
C 04181 POD2		C	ED	3	2	1	26	24S	28E	588393	3562212	1345	80	56	24
C 03358 POD1		CUB	ED	1	4	1	26	24S	28E	588416	3562116	1346	135		
C 04294 POD1		CUB	ED	4	3	3	23	24S	28E	588169	3562646	1549	60		
C 00353	C	CUB	ED		3	4	13	24S	28E	590603	3564367*	2079	2726		
C 04222 POD2		CUB	ED	1	2	4	22	24S	28E	587707	3563255	2145	100	40	60
C 04263 POD1		CUB	ED	3	1	1	23	24S	28E	588026	3563915	2207	390	370	20
C 00354	C	CUB	ED		4	4	13	24S	28E	591005	3564367*	2281	2739		
C 02057		C	ED		1	4	14	24S	28E	588956	3564774*	2406	126	52	74
C 03986 POD1		CUB	ED	3	4	2	22	24S	28E	587505	3563502	2427	170	120	50
C 00857		CUB	ED	3	1	4	30	24S	29E	592135	3561440*	2641	306		
C 00750		CUB	ED	1	2	4	13	24S	28E	590898	3564871*	2662	110		
C 02244		C	LE	3	1	2	22	24S	28E	587224	3563865*	2842	260		
C 00349	C	CUB	ED		1	3	18	24S	29E	591401	3564773*	2842	2734		
C 00856		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	2950	380		
C 00862		CUB	ED	1	2	4	30	24S	29E	592538	3561644*	2950	155		
C 00738		CUB	ED	3	1	1	13	24S	28E	589673	3565472*	2983	125	12	113

Average Depth to Water: **88 feet**
Minimum Depth: **12 feet**
Maximum Depth: **370 feet**

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 589710.41 **Northing (Y):** 3562488.29 **Radius:** 3000

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 04026 POD1	3	2	1	25	24S	28E	590148	3562290

Driller License:	331	**Driller Company:**	SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.		
Driller Name:					
Drill Start Date:	04/25/2017	**Drill Finish Date:**	04/26/2017	**Plug Date:**	
Log File Date:	05/16/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	8.60	**Depth Well:**	190 feet	**Depth Water:**	90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	120	190	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	88	190

Custom Soil Resource Report
Soil Map

Eddy Area, New Mexico

Kr—Karro loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w4v
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 57 to 64 degrees F
Frost-free period: 200 to 230 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Karro

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Riser, talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam
H2 - 10 to 90 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Pe—Pima silt loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w58
Elevation: 600 to 4,200 feet
Mean annual precipitation: 8 to 25 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 195 to 290 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Pima and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pima

Setting

Landform: Flood plains, alluvial flats, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Alluvium

Typical profile

H1 - 0 to 3 inches: silt loam
H2 - 3 to 60 inches: silty clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: High (about 11.9 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Dev

Percent of map unit: 1 percent
Ecological site: R070BC017NM - Bottomland
Hydric soil rating: No

RI—Reeves loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5p
Elevation: 1,250 to 4,800 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 120 to 225 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reeves and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

Ap - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Karro

Percent of map unit: 1 percent
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Cottonwood

Percent of map unit: 1 percent
Ecological site: R070BB006NM - Gyp Upland
Hydric soil rating: No

Uo—Upton gravelly loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w67
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 15 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent
Minor components: 4 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Upton

Setting

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Reagan

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

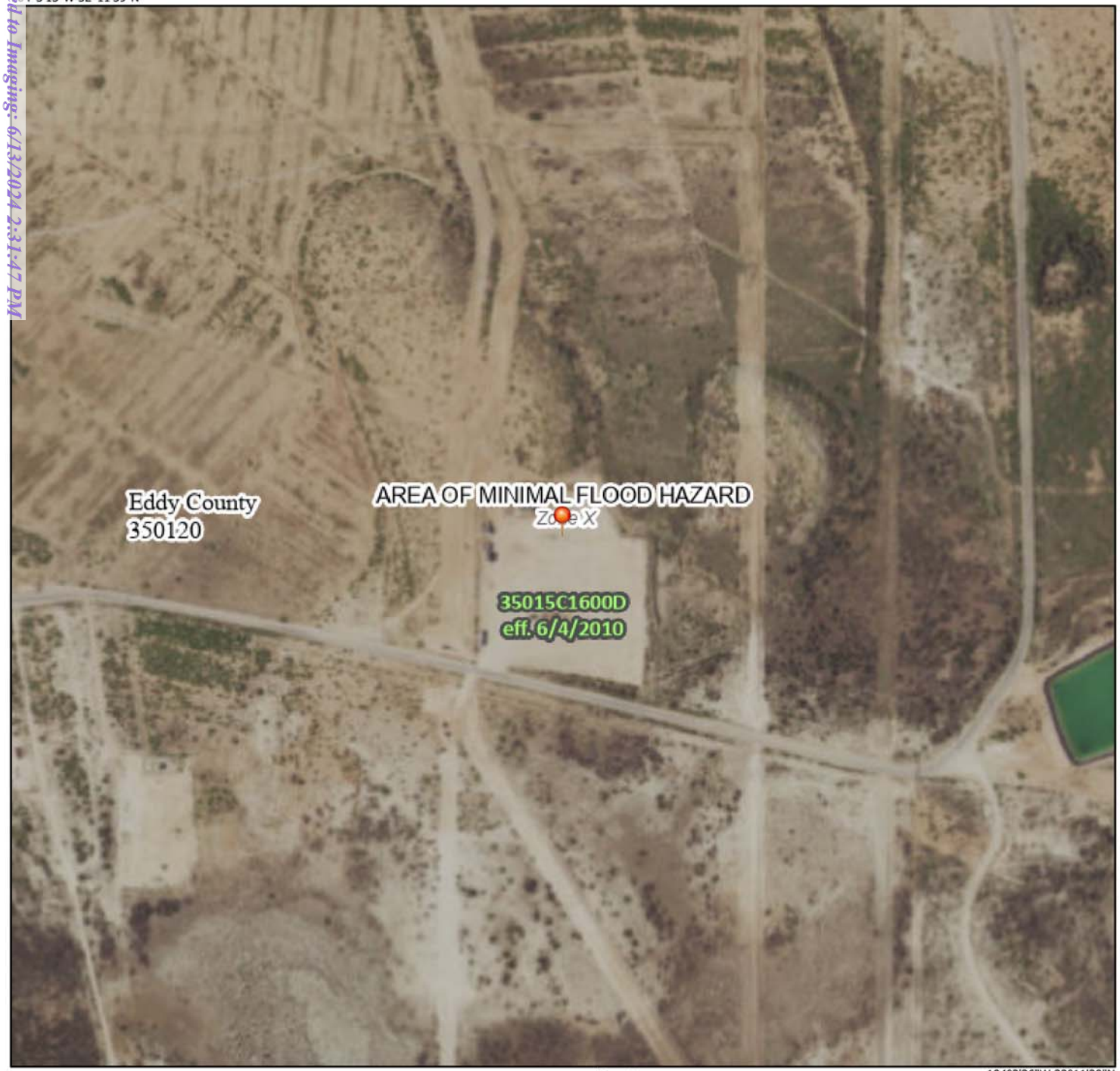
Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

National Flood Hazard Layer FIRMette

FEMA

104°3'13"W 32°11'59"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°2'36"W 32°11'29"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, A*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, A s of 1% annual chance flood with avera depth less than one foot or with drain e areas of less than one square mile *Zo*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zon*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/20/2023 at 1:42 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX III

C-141 Forms NMOCD Correspondence

From: Wells, Shelly, EMNRD
To: Chad Hensley
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Confirmation sampling event
Date: Tuesday, August 29, 2023 9:47:31 AM
Attachments: image001.png
image002.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Chad,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Chad Hensley <chensley@talonlpe.com>
Sent: Tuesday, August 29, 2023 8:03 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us
Cc: spills@slo.state.nm.us; Nathaniel Rose <nrose@talonlpe.com>
Subject: [EXTERNAL] Confirmation sampling event

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Talon of behalf of Matador will be conducting a sampling event:

Site Name: PAUL TANK BATTERY
ID# NAPP2125042984
API: 30-015-43018
Sampling date: 8/31/23 12pm
E-25-24S-28E
32.195596,-104.048536

Chad Hensley
Environmental Project Manager
Office: 575.746.8768 x708
Direct: 575.616.4023
Cell: 575.246.0032
Fax: 575.746.8905
Emergency: 866.742.0742
Web: **www.talonlpe.com**

At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

APPENDIX IV

Photographic Documentation

Paul Tank Battery
Eddy County, New Mexico

Photograph No.1 Description:

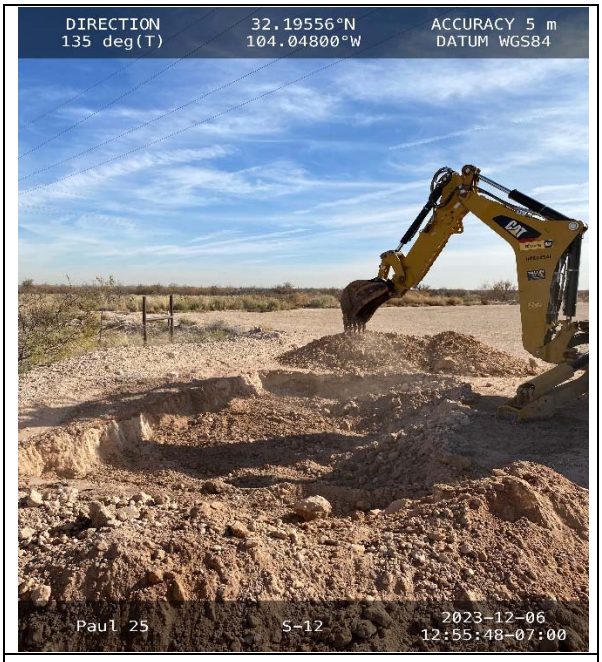
Soil assessment of sample location S-16

Photograph No.2 Description:

Soil assessment of sample location S-17

Photograph No.3 Description:

Site location during soil assessment



Photograph No.4 Description:

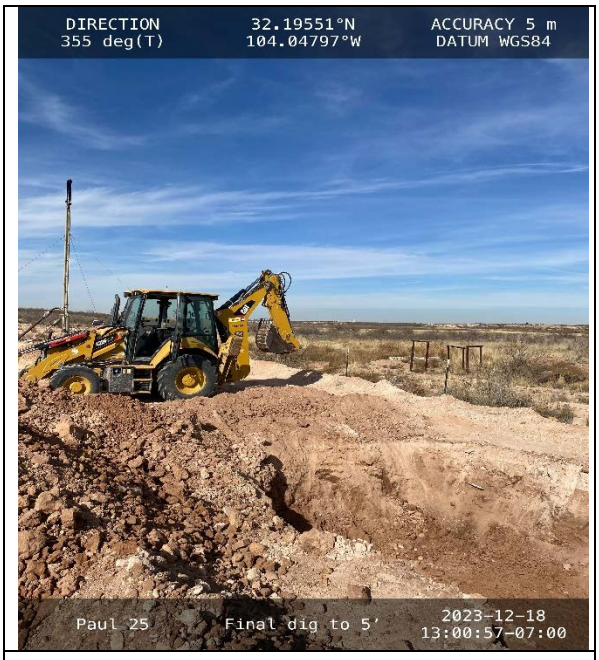
View of excavation activities

Photograph No.5 Description:

View of excavated area

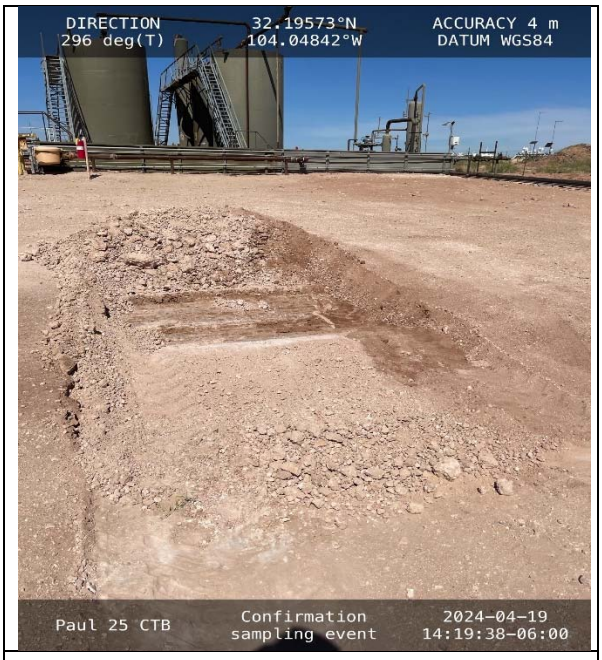
Photograph No.6 Description:

Final excavation of pasture area



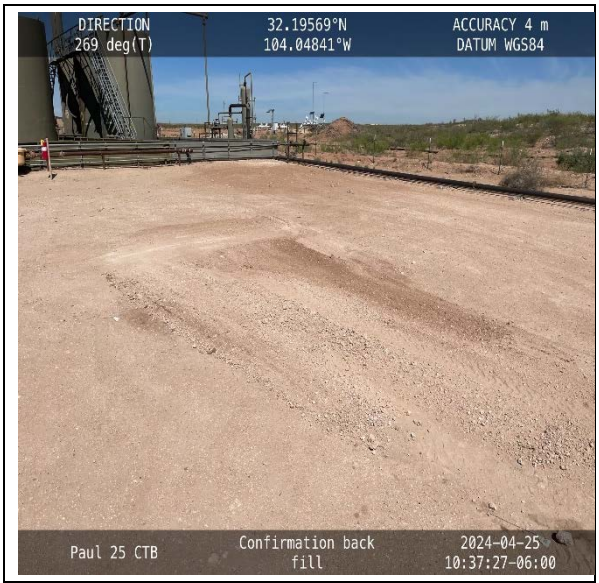
Photograph No.7 Description:

Final excavation of pasture area



Photograph No.8 Description:

Excavation of pad exceedance area of C-1 0-1'



Photograph No.9 Description:

Backfilled area of C-1 0-1’

APPENDIX V

Tables

Table 1
Assessment Analytical Data Summary

Sample ID	Sample Date	Depth in Feet (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/31/2023	0	ND	ND	ND	6720	4970	11690	581
	11/9/2023	1	ND	ND	ND	ND	ND	0	484
S-2	8/31/2023	0	ND	ND	ND	33.7	ND	33.7	5110
	11/9/2023	3	ND	ND	ND	ND	ND	0	2440
	11/9/2023	7	ND	ND	ND	ND	ND	0	1480
	11/9/2023	13	ND	ND	ND	ND	ND	0	1530
S-3	8/31/2023	0	ND	ND	ND	28.2	65.2	93.4	2210
	11/9/2023	3	ND	ND	ND	ND	ND	0	1190
	11/9/2023	8	ND	ND	ND	ND	ND	0	1520
	11/9/2023	13	ND	ND	ND	ND	ND	0	2190
S-4	8/31/2023	0	ND	ND	ND	531	379	910	5160
	11/9/2023	3	ND	ND	ND	ND	ND	0	1700
	11/9/2023	8	ND	ND	ND	ND	ND	0	1630
	11/9/2023	13	ND	ND	ND	ND	ND	0	2900
S-5	8/31/2023	0	ND	ND	ND	ND	ND	0	368
S-6	8/31/2023	0	ND	ND	ND	ND	72.8	72.8	106
S-7	8/31/2023	0	ND	ND	ND	ND	ND	0	91.1
S-8	8/31/2023	0	ND	ND	ND	ND	ND	0	ND
S-9	8/31/2023	0	ND	ND	ND	ND	ND	0	195
S-10	8/31/2023	0	ND	ND	ND	ND	ND	0	44.8
S-11	8/31/2023	0	ND	ND	ND	ND	ND	0	79.1
S-12	8/31/2023	0	ND	ND	ND	ND	ND	0	1120
	11/9/2023	1	ND	ND	ND	30.9	ND	30.9	777
	11/9/2023	3	ND	ND	ND	ND	ND	0	21.3
S-13	8/31/2023	0	ND	ND	ND	ND	61.0	61.0	93.3
S-15	8/31/2023	1	ND	ND	ND	ND	ND	0	ND
	8/31/2023	2 R	ND	ND	ND	ND	ND	0	62.5
S-16	8/31/2023	1	ND	ND	ND	ND	ND	0	363
	8/31/2023	2	ND	ND	ND	ND	ND	0	77.6
	8/31/2023	4	ND	ND	ND	ND	ND	0	ND

Table 1
Assessment Analytical Data Summary

Sample ID	Sample Date	Depth in Feet (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-17	8/31/2023	1	ND	ND	ND	ND	ND	0	ND
	8/31/2023	2 R	ND	ND	ND	ND	ND	0	608
	11/9/2023	3	ND	ND	ND	ND	ND	0	22.6
S-18	11/15/2023	0	ND	ND	ND	ND	ND	0	ND
S-19	11/15/2023	0	ND	ND	ND	ND	ND	0	ND
S-20	11/15/2023	0	ND	ND	ND	ND	ND	0	85.2

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
R	Refusal
ND	Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Table 2
Confirmation Analytical Data Summary

Sample ID	Sample Date	Depth in Feet (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
C-1	12/21/2023	5	ND	ND	ND	ND	76.9	76.9	112
C-2	12/21/2023	5	ND	ND	ND	ND	74.5	74.5	99.9
C-3	12/21/2023	5	ND	ND	ND	ND	ND	ND	73.1
C-4	12/21/2023	5	ND	ND	ND	ND	ND	ND	77.1
SW-1	12/21/2023	5	ND	ND	ND	26.9	71.8	98.7	295
SW-2	12/21/2023	5	ND	ND	ND	ND	66.8	66.8	ND
SW-3	12/21/2023	5	ND	ND	ND	ND	ND	ND	207
SW-4	12/21/2023	5	ND	ND	ND	ND	ND	ND	314
SW-5	12/21/2023	5	ND	ND	ND	ND	ND	ND	388
SW-6	12/21/2023	5	ND	ND	ND	ND	ND	ND	81.5
SW-7	12/21/2023	5	ND	ND	ND	ND	53.4	53.4	74.5
SW-8	12/21/2023	5	ND	ND	ND	ND	ND	ND	91.6
C-1 0-1'	4/15/2024	1	ND	ND	ND	ND	ND	ND	75.4
SW-1	4/15/2024	1	ND	ND	ND	ND	ND	ND	67.6
SW-2	4/15/2024	1	ND	ND	ND	ND	ND	ND	63.0
SW-3	4/15/2024	1	ND	ND	ND	ND	ND	ND	ND
SW-4	4/15/2024	1	ND	ND	ND	ND	ND	ND	ND

NOTES:

BGS	Below ground surface
mg/kg	milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
C	Confirmation Sample
SW	Sidewall Sample
ND	Analyte Not Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

APPENDIX VI

Laboratory Analytical Data

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name: Paul 25

Work Order: E309024

Job Number: 23042-0001

Received: 9/5/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/12/23

Date Reported: 9/12/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Paul 25
Workorder: E309024
Date Received: 9/5/2023 8:15:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Paul 25.

The analytical test results summarized in this report with the Project Name: Paul 25 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	09/12/23 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 Surface	E309024-01A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-2 Surface	E309024-02A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-3 Surface	E309024-03A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-4 Surface	E309024-04A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-5 Surface	E309024-05A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-6 Surface	E309024-06A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-7 Surface	E309024-07A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-8 Surface	E309024-08A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-9 Surface	E309024-09A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-10 Surface	E309024-10A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-11 Surface	E309024-11A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-12 Surface	E309024-12A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-13 Surface	E309024-13A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-14 Surface	E309024-14A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-15 1'	E309024-15A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-15 2' REFUSAL	E309024-16A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-16 1'	E309024-17A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-16 2'	E309024-18A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-16 4'	E309024-19A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S17 - 1'	E309024-20A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.
S-17 2' REFUSAL	E309024-21A	Soil	08/31/23	09/05/23	Glass Jar, 4 oz.

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-1 Surface

E309024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	**6720**	250	10	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	**4970**	500	10	09/08/23	09/11/23	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**581**	200	10	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-2 Surface

E309024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	**33.7**	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**5110**	1000	50	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-3 Surface

E309024-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	**28.2**	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	**65.2**	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**2210**	100	5	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-4 Surface

E309024-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	**531**	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	**379**	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**5160**	400	20	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-5 Surface

E309024-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**368**	100	5	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-6 Surface

E309024-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	**72.8**	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**106**	100	5	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-7 Surface

E309024-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**91.1**	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-8 Surface

E309024-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	ND	200	10	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-9 Surface

E309024-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/09/23	
Surrogate: n-Nonane		*110 %*	*50-200*	*09/08/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**195**	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-10 Surface

E309024-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**44.8**	20.0	1	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-11 Surface

E309024-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**79.1**	20.0	1	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-12 Surface

E309024-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**1120**	200	10	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-13 Surface

E309024-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	**61.0**	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**93.3**	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-15 1'

E309024-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	ND	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-15 2' REFUSAL

E309024-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*113 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**62.5**	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-16 1'

E309024-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*96.4 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**363**	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-16 2'

E309024-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*112 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*95.8 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	**77.6**	40.0	2	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-16 4'

E309024-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	ND	100	5	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S17 - 1'

E309024-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336042
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*09/06/23*	*09/08/23*	
Surrogate: Toluene-d8		*111 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/23	09/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/23	09/11/23	
Surrogate: n-Nonane		*94.6 %*	*50-200*	*09/08/23*	*09/11/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336053
Chloride	ND	100	5	09/06/23	09/09/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

S-17 2' REFUSAL

E309024-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2336027
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2336027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336052
Chloride	**608**	100	5	09/06/23	09/08/23	

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336027-BLK1)									Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
LCS (2336027-BS1)									Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	2.83	0.0250	2.50		113	70-130			
Ethylbenzene	2.77	0.0250	2.50		111	70-130			
Toluene	2.85	0.0250	2.50		114	70-130			
o-Xylene	2.83	0.0250	2.50		113	70-130			
p,m-Xylene	5.60	0.0500	5.00		112	70-130			
Total Xylenes	8.43	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2336027-MS1)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135			
Toluene	2.78	0.0250	2.50	ND	111	48-130			
o-Xylene	2.91	0.0250	2.50	ND	116	43-135			
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135			
Total Xylenes	8.68	0.0250	7.50	ND	116	43-135			
Surrogate: Bromofluorobenzene	*0.531*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2336027-MSD1)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	2.75	0.0250	2.50	ND	110	48-131	1.78	23	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	1.94	27	
Toluene	2.82	0.0250	2.50	ND	113	48-130	1.48	24	
o-Xylene	2.93	0.0250	2.50	ND	117	43-135	0.753	27	
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135	0.0173	27	
Total Xylenes	8.71	0.0250	7.50	ND	116	43-135	0.265	27	
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.453*		*0.500*		*90.6*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336042-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			
LCS (2336042-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	2.39	0.0250	2.50		95.6	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.66	0.0250	2.50		106	70-130			
p,m-Xylene	5.30	0.0500	5.00		106	70-130			
Total Xylenes	7.96	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	*0.608*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			
Matrix Spike (2336042-MS1)				**Source: E309024-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	2.41	0.0250	2.50	ND	96.4	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.71	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.40	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.11	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	*0.609*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.550*		*0.500*		*110*	*70-130*			
Matrix Spike Dup (2336042-MSD1)				**Source: E309024-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	2.51	0.0250	2.50	ND	100	48-131	3.82	23	
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135	3.86	27	
Toluene	2.65	0.0250	2.50	ND	106	48-130	2.95	24	
o-Xylene	2.84	0.0250	2.50	ND	114	43-135	4.52	27	
p,m-Xylene	5.64	0.0500	5.00	ND	113	43-135	4.48	27	
Total Xylenes	8.48	0.0250	7.50	ND	113	43-135	4.50	27	
Surrogate: Bromofluorobenzene	*0.625*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336027-BLK1)									Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
LCS (2336027-BS2)									Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	*0.536*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
Matrix Spike (2336027-MS2)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2336027-MSD2)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	59.6	20.0	50.0	ND	119	70-130	14.4	20	
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336042-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.558*		*0.500*		*112*	*70-130*			
LCS (2336042-BS2)									Prepared: 09/06/23 Analyzed: 09/08/23
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	*0.597*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.569*		*0.500*		*114*	*70-130*			
Matrix Spike (2336042-MS2)				**Source: E309024-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	*0.608*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.563*		*0.500*		*113*	*70-130*			
Matrix Spike Dup (2336042-MSD2)				**Source: E309024-03**					Prepared: 09/06/23 Analyzed: 09/08/23
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	1.58	20	
Surrogate: Bromofluorobenzene	*0.607*		*0.500*		*121*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.564*		*0.500*		*113*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336060-BLK1)									Prepared: 09/06/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
LCS (2336060-BS1)									Prepared: 09/06/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*50-200*			
Matrix Spike (2336060-MS1)				**Source: E309015-01**					Prepared: 09/06/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	18200	1250	250	19500	NR	38-132			M4
Surrogate: n-Nonane	*46.7*		*50.0*		*93.3*	*50-200*			
Matrix Spike Dup (2336060-MSD1)				**Source: E309015-01**					Prepared: 09/06/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	18400	1250	250	19500	NR	38-132	1.36	20	M4
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336065-BLK1)									Prepared: 09/08/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
LCS (2336065-BS1)									Prepared: 09/08/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*50-200*			
Matrix Spike (2336065-MS1)				**Source: E309024-02**					Prepared: 09/08/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	305	25.0	250	33.7	108	38-132			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*50-200*			
Matrix Spike Dup (2336065-MSD1)				**Source: E309024-02**					Prepared: 09/08/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	305	25.0	250	33.7	109	38-132	0.244	20	
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336052-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336052-BS1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2336052-MS1)				**Source: E309024-21**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	869	100	250	608	104	80-120			
Matrix Spike Dup (2336052-MSD1)				**Source: E309024-21**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	883	100	250	608	110	80-120	1.54	20	

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	9/12/2023 1:19:10PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336053-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336053-BS1)									Prepared: 09/06/23 Analyzed: 09/09/23
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2336053-MS1)				**Source: E309024-01**					Prepared: 09/06/23 Analyzed: 09/09/23
Chloride	807	200	250	581	90.4	80-120			
Matrix Spike Dup (2336053-MSD1)				**Source: E309024-01**					Prepared: 09/06/23 Analyzed: 09/09/23
Chloride	759	200	250	581	71.0	80-120	6.17	20	M2

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	09/12/23 13:19

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 3

Client: Talon LPE	Bill To
Project: ~~Young Deep 3~~ Paul 25	Attention:
Project Manager: C.Hensley	Address:
Address: 408 W. Texas Ave	City, State, Zip
City, State, Zip Artesia, NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: chensley@talonlpe.com	
Report due by:	

Lab Use Only: Lab WO# E309024 | Job Number 23042.0001

TAT: 1D | 2D | 3D | Standard (x)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	Chloride 300.0	Remarks
1200	8-31-23	soil	1	S-1 Surface	1	X	X	X	
1206				S-2	2				
1211				S-3	3				
1214				S-4	4				
1219				S-5	5				
1226				S-6	6				
1233				S-7	7				
1238				S-8	8				
1241				S-9	9				
1243				S-10	10				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/1/23	1820		9.1.23	1820
	9.1.23	1835		9.1.23	1845
Linda Musso	9.2.23	0115	Carla Man	9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Client: Talon LPE	
Project: ~~Young Deep 3~~ Pad 25	
Project Manager: C.Hensley	
Address: 408 W. Texas Ave	
City, State, Zip Artesia, NM 88210	
Phone: 575-746-8768	
Email: chensley@talonlpe.com	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E309024	23042-0001

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1251	8-31-23	soil	1	S-11	Surface	11	X	X			X			
1256				S-12		12								
1307				S-13		13								
1313				S-14		14								
1321				S-15	1'	15								
1327					2' REFUSAL	16								
1336				S-16	1'	17								
1341					2'	18								
1346					4'	19								
1355				S-17	1'	20								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.1.23	1820		9.1.23	1820
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.1.23	1835		9.1.23	1845
Relinquished by: (Signature)	Date	Time	Received by (Signature)	Date	Time
	9.2.23	0115		9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Client: Talon LPE
Project: ~~Young Deep 8~~ Pad 25
Project Manager: C.Hensley
Address: 408 W. Texas Ave
City, State, Zip Artesia, NM 88210
Phone: 575-746-8768
Email: chensley@talonlpe.com
Report due by:

Bill To
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# E309024
Job Number 23042-0001

TAT: 1D | 2D | 3D | Standard (x)

EPA Program: CWA | SDWA | RCRA

State: NM (x) | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1359	8-31-23	soil	1	S-17 2' REFUSAL	21	x	x			x			

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/1/23	1820		9.1.23	1820
	9.1.23	1835	Andrew Mason	9.1.23	1845
Andrew Mason	9.2.23	0115	Caitlin Mason	9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/5/2023 12:57:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	09/05/23 08:15	Work Order ID:	E309024
Phone:	(575) 746-8768	Date Logged In:	09/05/23 10:29	Logged In By:	Caitlin Mars
Email:	chensley@talonlpe.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	No	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Sample #14 Sample ID (S-14) container received empty. Client asked to cancel sample.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Project Information | Chain of Custody | Page 1 of 3

Client: Talon LPE	Bill To	Lab Use Only	TAT / EPA Program
Project: ~~Young Deep 3~~ Pad 25	Attention:	Lab WO# E309024	Job Number 23042.0001
Project Manager: C.Hensley	Address:	1D 2D 3D Standard: x	CWA / SDWA / RCRA
Address: 408 W. Texas Ave	City, State, Zip		
City, State, Zip Artesia, NM 88210	Phone:		
Phone: 575-746-8768	Email:		
Email: chensley@talonlpe.com			
Report due by:			

Analysis and Method: TPH GRO/DRO/ORO by 8015; BTEX by 8021; VOC by 8260; Metals 6010; Chloride 300.0; BGDOC NM; GDOC TX

State: NM x; CO; UT; AZ; TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
12:00	8-31-23	soil	1	S-1 Surface	1	x	x			x			
1206				S-2	2								
1211				S-3	3								
1214				S-4	4								
1219				S-5	5								
1226				S-6	6								
1233				S-7	7								
1238				S-8	8								
1241				S-9	9								
1243				S-10	10								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

	Date	Time		Date	Time
Relinquished by: (Signature)	9/1/23	1820	Received by: (Signature)	9.1.23	1820
Relinquished by: (Signature)	9.1.23	1835	Received by: (Signature)	9.1.23	1845
Relinquished by: (Signature) Andrea Moreno	9.2.23	0115	Received by: (Signature) Cantu Man	9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 3

Client: Talon LPE	Bill To
Project: ~~Young Deep 3~~ Pad 25	Attention:
Project Manager: C.Hensley	Address:
Address: 408 W. Texas Ave	City, State, Zip
City, State, Zip Artesia, NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: chensley@talonlpe.com	
Report due by:	

Lab Use Only: Lab WO# E309024 | Job Number 23042-0001

TAT: 1D | 2D | 3D | Standard (x)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1251	8-31-23	soil	1	S-11	Surface	11	X	X			X			Sample #14.
1256				S-12		12								Sample ID S-14
1307				S-13		13								Container received
~~1313~~				~~S-14~~		14								empty. Cancelled
1321				S-15	1'	15								sample per
1327				S-15	2' REFUSAL	16								Client.
1336				S-16	1'	17								9/5/23 CM
1341				S-16	2'	18								
1346				S-16	4'	19								
1355				S-17	1'	20								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.1.23	1820		9.1.23	1820
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9.1.23	1835		9.1.23	1845
Relinquished by: (Signature)	Date	Time	Received by (Signature)	Date	Time
Cindra Mosso	9.2.23	0115	Cathy Mar	9/5/23	8:15

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 3 of 3

Client: Talon LPE	Bill To	Lab Use Only	TAT / EPA Program
Project: ~~Young Deep 8~~ Pad 25	Attention:	Lab WO# E309024	Job Number 23042-0001
Project Manager: C.Hensley	Address:	1D 2D 3D Standard: x	CWA / SDWA / RCRA
Address: 408 W. Texas Ave	City, State, Zip		
City, State, Zip Artesia, NM 88210	Phone:		
Phone: 575-746-8768	Email:		
Email: chensley@talonlpe.com			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State (NM)	Remarks
1359	8-31-23	soil	1	S-17 2' REFUSAL	21	x	x			x			x	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/1/23	1820		9.1.23	1820
	9.1.23	1835	mesa	9.1.23	1845
mesa	9.2.23	0115		9/5/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Paul 25
Work Order:	E311088
Job Number:	23052-0001
Received:	11/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/23

Date Reported: 11/17/23

Chad Hensley
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Paul 25
Workorder: E311088
Date Received: 11/10/2023 7:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/10/2023 7:00:00AM, under the Project Name: Paul 25.

The analytical test results summarized in this report with the Project Name: Paul 25 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Paul 25	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/23 09:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 1'	E311088-01A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-2 3'	E311088-02A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-2 7'	E311088-03A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-2 13'	E311088-04A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-3 3'	E311088-05A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-3 8'	E311088-06A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-3 13'	E311088-07A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-4 3'	E311088-08A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-4 8'	E311088-09A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-4 13'	E311088-10A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-12 1'	E311088-11A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-12 3'	E311088-12A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.
S-17 3'	E311088-13A	Soil	11/09/23	11/10/23	Glass Jar, 4 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-1 1'

E311088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/15/23	
Toluene	ND	0.0250	1	11/14/23	11/15/23	
o-Xylene	ND	0.0250	1	11/14/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*11/14/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.1 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*11/14/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**484**	20.0	1	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-2 3'

E311088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/15/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/15/23	
Toluene	ND	0.0250	1	11/14/23	11/15/23	
o-Xylene	ND	0.0250	1	11/14/23	11/15/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/15/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*11/14/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/15/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*11/14/23*	*11/15/23*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*11/14/23*	*11/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**2440**	40.0	2	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-2 7'

E311088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**1480**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-2 13'

E311088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*111 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**1530**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-3 3'

E311088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**1190**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-3 8'

E311088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**1520**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-3 13'

E311088-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**2190**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-4 3'

E311088-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**1700**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-4 8'

E311088-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.6 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**1630**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-4 13'

E311088-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*92.5 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**2900**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-12 1'

E311088-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	**30.9**	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*85.9 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**777**	200	10	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-12 3'

E311088-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**21.3**	20.0	1	11/15/23	11/15/23	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

S-17 3'

E311088-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Benzene	ND	0.0250	1	11/14/23	11/16/23	
Ethylbenzene	ND	0.0250	1	11/14/23	11/16/23	
Toluene	ND	0.0250	1	11/14/23	11/16/23	
o-Xylene	ND	0.0250	1	11/14/23	11/16/23	
p,m-Xylene	ND	0.0500	1	11/14/23	11/16/23	
Total Xylenes	ND	0.0250	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2346022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/23	11/16/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*11/14/23*	*11/16/23*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*11/14/23*	*11/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2346042
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/23	11/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/23	11/16/23	
Surrogate: n-Nonane		*84.8 %*	*50-200*	*11/15/23*	*11/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2346052
Chloride	**22.6**	20.0	1	11/15/23	11/15/23	

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 11/15/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.544*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.8*	*70-130*			
LCS (2346022-BS1)									Prepared: 11/14/23 Analyzed: 11/15/23
Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.9	70-130			
Toluene	2.39	0.0250	2.50		95.8	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.40	0.0250	7.50		98.6	70-130			
Surrogate: Bromofluorobenzene	*0.546*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.485*		*0.500*		*97.0*	*70-130*			
Surrogate: Toluene-d8	*0.484*		*0.500*		*96.8*	*70-130*			
Matrix Spike (2346022-MS1)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Benzene	2.45	0.0250	2.50	ND	98.2	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Toluene	2.24	0.0250	2.50	ND	89.8	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.5	43-135			
p,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135			
Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135			
Surrogate: Bromofluorobenzene	*0.554*		*0.500*		*111*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike Dup (2346022-MSD1)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Benzene	2.65	0.0250	2.50	ND	106	48-131	7.51	23	
Ethylbenzene	2.50	0.0250	2.50	ND	99.9	45-135	8.21	27	
Toluene	2.41	0.0250	2.50	ND	96.4	48-130	7.07	24	
o-Xylene	2.58	0.0250	2.50	ND	103	43-135	7.71	27	
p,m-Xylene	5.04	0.0500	5.00	ND	101	43-135	7.32	27	
Total Xylenes	7.62	0.0250	7.50	ND	102	43-135	7.45	27	
Surrogate: Bromofluorobenzene	*0.552*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.467*		*0.500*		*93.3*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346022-BLK1)									Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.544*		*0.500*		*109*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.8*	*70-130*			
LCS (2346022-BS2)									Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
Matrix Spike (2346022-MS2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	*0.559*		*0.500*		*112*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
Matrix Spike Dup (2346022-MSD2)				**Source: E311088-02**					Prepared: 11/14/23 Analyzed: 11/15/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	2.39	20	
Surrogate: Bromofluorobenzene	*0.549*		*0.500*		*110*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*99.9*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346042-BLK1)									Prepared: 11/15/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.2*		*50.0*		*88.4*	*50-200*			
LCS (2346042-BS1)									Prepared: 11/15/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	38-132			
Surrogate: n-Nonane	*43.8*		*50.0*		*87.6*	*50-200*			
Matrix Spike (2346042-MS1)				**Source: E311080-05**					Prepared: 11/15/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.5	38-132			
Surrogate: n-Nonane	*43.7*		*50.0*		*87.4*	*50-200*			
Matrix Spike Dup (2346042-MSD1)				**Source: E311080-05**					Prepared: 11/15/23 Analyzed: 11/16/23
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	38-132	2.99	20	
Surrogate: n-Nonane	*45.0*		*50.0*		*90.1*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/2023 9:47:23AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2346052-BLK1)									Prepared: 11/15/23 Analyzed: 11/15/23
Chloride	ND	20.0							
LCS (2346052-BS1)									Prepared: 11/15/23 Analyzed: 11/15/23
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2346052-MS1)				**Source: E311088-06**					Prepared: 11/15/23 Analyzed: 11/15/23
Chloride	1830	200	250	1520	125	80-120			M4
Matrix Spike Dup (2346052-MSD1)				**Source: E311088-06**					Prepared: 11/15/23 Analyzed: 11/15/23
Chloride	1970	200	250	1520	180	80-120	7.25	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Paul 25	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	11/17/23 09:47

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client:	Matador
Project:	Pan 125
Project Manager:	C. Hensley
Address:	408 W Texas
City, State, Zip	Artesia, NM, 88210
Phone:	575-746-8768
Email:	nros@talonlpe.com
Report due by:	

Bill To

Attention:	Talon LPE
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E311088	23042-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
0715	11-9-23	Soil	1	S-1 1'	1	X	X	X			X			
0726				S-2 3'	2									
0731				7'	3									
0744				13'	4									
0759				S-3 3'	5									
0810				8'	6									
0827				13'	7									
0901				S-4 3'	8									
0915				8'	9									
0921				13'	10									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-9-23		Michelle Young	11-9-23	1656
Michelle Young	11-9-23	1730	Andrew Garcia	11-9-23	1830
Andrew Garcia	11-9-23	2400	Raia Long	11/10/23	7:00

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Client:	Matador
Project:	Rm125
Project Manager:	C. Hensley
Address:	408 W. Texas
City, State, Zip	Artesia, NM, 88210
Phone:	575-746-8768
Email:	mrose@Talkpe.com
Report due by:	

Bill To

Attention:	Talk PE
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E311088	23042-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
10-02	11-9-23	Soil	1	S-12 1'	11	X	X	X			X			
1015				3'	12									
1112				S-17 3'	13									

Analysis and Method

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11-9-23		Michelle Gaytan	11-9-23	1656
Michelle Gaytan	11-9-23	1730	Andrew Moss	11.9.23	1830
Andrew Moss	11.9.23	2400	Raiin Lunz	11/10/23	7:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 11/13/2023 11:18:45AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	11/10/23 07:00	Work Order ID:	E311088
Phone:	(972) 371-5200	Date Logged In:	11/10/23 10:25	Logged In By:	Raina Schwanz
Email:		Due Date:	11/16/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	No	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Samples and COC did not include sampled by name. Samples 11 and 12 do not have the date sampled, matrix or No. of containers documented on the COC.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name:	Paul 25
Work Order:	E311164
Job Number:	23052-0001
Received:	11/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/28/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Paul 25
Workorder: E311164
Date Received: 11/18/2023 7:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2023 7:30:00AM, under the Project Name: Paul 25.

The analytical test results summarized in this report with the Project Name: Paul 25 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/23 16:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-18 SURFACE	E311164-01A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-19 SURFACE	E311164-02A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
S-20 SURFACE	E311164-03A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

S-18 SURFACE

E311164-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		*81.2 %*	*50-200*	*11/27/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348013
Chloride	ND	100	5	11/27/23	11/27/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

S-19 SURFACE

E311164-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		*82.6 %*	*50-200*	*11/27/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348013
Chloride	ND	100	5	11/27/23	11/27/23	

Sample Data

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

S-20 SURFACE

E311164-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*116 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		*83.1 %*	*50-200*	*11/27/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348013
Chloride	**85.2**	40.0	2	11/27/23	11/27/23	

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347025-BLK1)									Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
LCS (2347025-BS1)									Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	2.85	0.0250	2.50		114	70-130			
Ethylbenzene	2.80	0.0250	2.50		112	70-130			
Toluene	2.76	0.0250	2.50		110	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.41	0.0500	5.00		108	70-130			
Total Xylenes	8.10	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	*0.597*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			
Matrix Spike (2347025-MS1)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	2.85	0.0250	2.50	ND	114	48-131			
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135			
Toluene	2.74	0.0250	2.50	ND	110	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	*0.589*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2347025-MSD1)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	2.82	0.0250	2.50	ND	113	48-131	0.987	23	
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135	1.61	27	
Toluene	2.71	0.0250	2.50	ND	108	48-130	1.34	24	
o-Xylene	2.70	0.0250	2.50	ND	108	43-135	0.669	27	
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135	0.120	27	
Total Xylenes	8.11	0.0250	7.50	ND	108	43-135	0.142	27	
Surrogate: Bromofluorobenzene	*0.609*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347025-BLK1)									Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
LCS (2347025-BS2)									Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	*0.602*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.563*		*0.500*		*113*	*70-130*			
Matrix Spike (2347025-MS2)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.589*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.553*		*0.500*		*111*	*70-130*			
Matrix Spike Dup (2347025-MSD2)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	3.24	20	
Surrogate: Bromofluorobenzene	*0.611*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348003-BLK1)									Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.7*		*50.0*		*83.4*	*50-200*			
LCS (2348003-BS1)									Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*44.1*		*50.0*		*88.2*	*50-200*			
Matrix Spike (2348003-MS1)				**Source: E311162-08**					Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	*43.7*		*50.0*		*87.5*	*50-200*			
Matrix Spike Dup (2348003-MSD1)				**Source: E311162-08**					Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.4	38-132	2.29	20	
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Paul 25	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:01:25PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348013-BLK1)									Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	ND	20.0							
LCS (2348013-BS1)									Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2348013-MS1)				**Source: E311164-03**					Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	322	40.0	250	85.2	94.8	80-120			
Matrix Spike Dup (2348013-MSD1)				**Source: E311164-03**					Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	331	40.0	250	85.2	98.4	80-120	2.75	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Talon LPE	Project Name:	Paul 25	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/23 16:01

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Talon LPE	Bill To
Project: Pan 125	Attention: Matador
Project Manager: C. Hensley	Address:
Address: 408 W. Texas Ave	City, State, Zip
City, State, Zip Artesia, NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: chensley@talonlpe.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E311164	23052000l				✓		
							RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State NM	State CO	State UT	State AZ	State TX	Remarks
0842	11/15/23	Soil	1	S-18 SURFACE	1	✓	✓			✓			✓					
0910	〃	〃	〃	S-19 S	2	〃	〃			〃								
0914	〃	〃	〃	S-20 S	3	〃	〃			〃								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-15-23		Michelle Gaylor	11-17-23	1500
Michelle Gaylor	11-17-23	1700	Andrew Hess	11.17.23	1800
Andrew Hess	11.17.23	2400		11.18.23	730

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 11/20/2023 2:29:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	11/18/23 07:30	Work Order ID:	E311164
Phone:	(575) 746-8768	Date Logged In:	11/17/23 16:01	Logged In By:	Jordan Montano
Email:	chensley@talonlpe.com	Due Date:	11/28/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name:	Paul TB
Work Order:	E312174
Job Number:	23052-0001
Received:	12/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/3/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/3/24

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Paul TB
Workorder: E312174
Date Received: 12/27/2023 8:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/27/2023 8:00:00AM, under the Project Name: Paul TB.

The analytical test results summarized in this report with the Project Name: Paul TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Talon LPE	Project Name:	Paul TB	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	01/03/24 15:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 5'	E312174-01A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
C-2 5'	E312174-02A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
C-3 5'	E312174-03A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
C-4 5'	E312174-04A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-1	E312174-05A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-2	E312174-06A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-3	E312174-07A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-4	E312174-08A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-5	E312174-09A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-6	E312174-10A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-7	E312174-11A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.
SW-8	E312174-12A	Soil	12/21/23	12/27/23	Glass Jar, 2 oz.

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

C-1 5'

E312174-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*123 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	**76.9**	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*88.5 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2352023
Chloride	**112**	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

C-2 5'

E312174-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*124 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*124 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	**74.5**	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**99.9**	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

C-3 5'

E312174-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*89.3 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**73.1**	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

C-4 5'

E312174-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**77.1**	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-1

E312174-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	**26.9**	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	**71.8**	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**295**	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-2

E312174-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	**66.8**	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	ND	40.0	2	12/28/23	12/29/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-3

E312174-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/27/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/27/23	
Toluene	ND	0.0250	1	12/27/23	12/27/23	
o-Xylene	ND	0.0250	1	12/27/23	12/27/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/27/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/27/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*12/27/23*	*12/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/27/23*	*12/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*90.8 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**207**	40.0	2	12/28/23	12/29/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-4

E312174-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*92.9 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**314**	40.0	2	12/28/23	12/29/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-5

E312174-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*121 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**388**	20.0	1	12/28/23	12/29/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-6

E312174-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.9 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**81.5**	20.0	1	12/28/23	12/29/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-7

E312174-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*122 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	**53.4**	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*93.9 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**74.5**	20.0	1	12/28/23	12/29/23	

Sample Data

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

SW-8

E312174-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2352010
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: Bromofluorobenzene		*120 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*	*70-130*	*12/27/23*	*12/28/23*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/29/23	
Surrogate: n-Nonane		*89.1 %*	*50-200*	*12/28/23*	*12/29/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	**91.6**	20.0	1	12/28/23	12/29/23	

QC Summary Data

Talon LPE	Project Name:	Paul TB	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352010-BLK1)									Prepared: 12/27/23 Analyzed: 12/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.598*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.537*		*0.500*		*107*	*70-130*			
LCS (2352010-BS1)									Prepared: 12/27/23 Analyzed: 12/27/23
Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.68	0.0250	2.50		107	70-130			
p,m-Xylene	5.37	0.0500	5.00		107	70-130			
Total Xylenes	8.06	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	*0.628*		*0.500*		*126*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.552*		*0.500*		*110*	*70-130*			
Matrix Spike (2352010-MS1)				**Source: E312174-03**					Prepared: 12/27/23 Analyzed: 12/27/23
Benzene	2.61	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.65	0.0250	2.50	ND	106	45-135			
Toluene	2.61	0.0250	2.50	ND	104	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.21	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.84	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	*0.609*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.471*		*0.500*		*94.1*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2352010-MSD1)				**Source: E312174-03**					Prepared: 12/27/23 Analyzed: 12/27/23
Benzene	2.56	0.0250	2.50	ND	102	48-131	2.22	23	
Ethylbenzene	2.63	0.0250	2.50	ND	105	45-135	0.871	27	
Toluene	2.56	0.0250	2.50	ND	103	48-130	1.86	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	2.29	27	
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135	0.809	27	
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135	1.30	27	
Surrogate: Bromofluorobenzene	*0.617*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.549*		*0.500*		*110*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul TB	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352010-BLK1)									Prepared: 12/27/23 Analyzed: 12/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.598*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*0.500*		*98.4*	*70-130*			
Surrogate: Toluene-d8	*0.537*		*0.500*		*107*	*70-130*			
LCS (2352010-BS2)									Prepared: 12/27/23 Analyzed: 12/27/23
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	*0.617*		*0.500*		*123*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.475*		*0.500*		*95.0*	*70-130*			
Surrogate: Toluene-d8	*0.551*		*0.500*		*110*	*70-130*			
Matrix Spike (2352010-MS2)				**Source: E312174-03**					Prepared: 12/27/23 Analyzed: 12/27/23
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	*0.607*		*0.500*		*121*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2352010-MSD2)				**Source: E312174-03**					Prepared: 12/27/23 Analyzed: 12/27/23
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0	ND	109	70-130	7.35	20	
Surrogate: Bromofluorobenzene	*0.624*		*0.500*		*125*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.559*		*0.500*		*112*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Paul TB	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352020-BLK1)									Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.0*		*50.0*		*90.0*	*50-200*			
LCS (2352020-BS1)									Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
Matrix Spike (2352020-MS1)				**Source: E312172-03**					Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.6*	*50-200*			
Matrix Spike Dup (2352020-MSD1)				**Source: E312172-03**					Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	0.00971	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Paul TB	**Reported:**
408 W Texas Ave	Project Number:	23052-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/3/2024 3:53:34PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352023-BLK1)									Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	ND	20.0							
LCS (2352023-BS1)									Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2352023-MS1)				**Source: E312172-02**					Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2352023-MSD1)				**Source: E312172-02**					Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	251	20.0	250	ND	100	80-120	0.549	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Talon LPE	Project Name:	Paul TB	
408 W Texas Ave	Project Number:	23052-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	01/03/24 15:53

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client:	Talon LPE
Project:	Paul TB
Project Manager:	C. Hensley
Address:	408 W. Texas Ave
City, State, Zip	Artesia, NM 88210
Phone:	575-746-8768
Email:	chensley@talonlpe.com
Report due by:	

Bill To

Attention:	Matador
Address:	Clint Talley
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E312774	23052-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
0900	12/21/23	Soil	1	C-1 5'	1	X	X			X			
0905				C-2	2								
0910				C-3	3								
0916				C-4	4								
0918				SW-1	5								
0920				SW-2	6								
0927				SW-3	7								
0936				SW-4	8								
1010				SW-5	9								
1014				SW-6	10								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/21/23		Michelle Gaylo	12.22.23	1315
Michelle Gaylo	12.22.23	1445		12.22.23	1800
	12.22.23	2400	Amenteno	12/27/23	8:00

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 2

Client:	Talon LPE
Project:	Paul TB
Project Manager:	C. Hensley
Address:	408 W. Texas Ave
City, State, Zip	Artesia, NM 88210
Phone:	575-746-8768
Email:	chensley@talonlpe.com
Report due by:	

Bill To

Attention:	Matador
Address:	Clint Talley
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E312174	23052-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1021	12/21/23	Soil	1	SW-7	11	X	X			X			
1031	〃	〃	〃	SW-8	12	〃	〃			〃			

Analysis and Method: BGDOC NM; GDOC TX

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/21/23		Michelle Gaylk	12-22-23	1315
Michelle Gaylk	12.22.23	1445		12.22.23	1600
	12.22.23	2400	Amentado	12/27/23	8:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 12/27/2023 11:28:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Talon LPE	Date Received:	12/27/23 08:00	Work Order ID:	E312174
Phone:	(575) 746-8768	Date Logged In:	12/27/23 08:49	Logged In By:	Jordan Montano
Email:	chensley@talonlpe.com	Due Date:	03/13/24 17:00 (54 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Paul 25 CTB
Work Order:	E404217
Job Number:	23042-0001
Received:	4/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/26/24

Date Reported: 4/26/24

Chad Hensley
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Project Name: Paul 25 CTB
Workorder: E404217
Date Received: 4/22/2024 8:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/22/2024 8:30:00AM, under the Project Name: Paul 25 CTB.

The analytical test results summarized in this report with the Project Name: Paul 25 CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Matador Resources, LLC.	Project Name:	Paul 25 CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	04/26/24 12:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 0-1'	E404217-01A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-1	E404217-02A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-2	E404217-03A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-3	E404217-04A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.
SW-4	E404217-05A	Soil	04/15/24	04/22/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

C-1 0-1'

E404217-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*04/22/24*	*04/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2417010
Chloride	**75.4**	20.0	1	04/22/24	04/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

SW-1

E404217-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.0 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*04/22/24*	*04/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2417010
Chloride	**67.6**	20.0	1	04/22/24	04/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

SW-2

E404217-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*04/22/24*	*04/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2417010
Chloride	**63.0**	20.0	1	04/22/24	04/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

SW-3

E404217-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*04/22/24*	*04/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2417010
Chloride	ND	20.0	1	04/22/24	04/22/24	

Sample Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

SW-4

E404217-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Benzene	ND	0.0250	1	04/22/24	04/23/24	
Ethylbenzene	ND	0.0250	1	04/22/24	04/23/24	
Toluene	ND	0.0250	1	04/22/24	04/23/24	
o-Xylene	ND	0.0250	1	04/22/24	04/23/24	
p,m-Xylene	ND	0.0500	1	04/22/24	04/23/24	
Total Xylenes	ND	0.0250	1	04/22/24	04/23/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2417013
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/24	04/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*04/22/24*	*04/23/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2417018
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/24	04/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/24	04/23/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/22/24*	*04/23/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2417010
Chloride	ND	20.0	1	04/22/24	04/22/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2417013-BLK1)									Prepared: 04/22/24 Analyzed: 04/23/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.55*		*8.00*		*94.4*	*70-130*			
LCS (2417013-BS1)									Prepared: 04/22/24 Analyzed: 04/23/24
Benzene	4.91	0.0250	5.00		98.3	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130			
Toluene	4.91	0.0250	5.00		98.1	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.7*	*70-130*			
Matrix Spike (2417013-MS1)				**Source: E404219-01**					Prepared: 04/22/24 Analyzed: 04/23/24
Benzene	5.72	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.56	0.0250	5.00	ND	111	61-133			
Toluene	5.71	0.0250	5.00	ND	114	61-130			
o-Xylene	5.65	0.0250	5.00	ND	113	63-131			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
Total Xylenes	17.0	0.0250	15.0	ND	113	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.57*		*8.00*		*94.6*	*70-130*			
Matrix Spike Dup (2417013-MSD1)				**Source: E404219-01**					Prepared: 04/22/24 Analyzed: 04/23/24
Benzene	5.05	0.0250	5.00	ND	101	54-133	12.5	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133	12.4	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	12.6	20	
o-Xylene	4.97	0.0250	5.00	ND	99.4	63-131	12.7	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	12.2	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	12.4	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2417013-BLK1)									Prepared: 04/22/24 Analyzed: 04/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
LCS (2417013-BS2)									Prepared: 04/22/24 Analyzed: 04/23/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.1*	*70-130*			
Matrix Spike (2417013-MS2)				**Source: E404219-01**					Prepared: 04/22/24 Analyzed: 04/23/24
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
Matrix Spike Dup (2417013-MSD2)				**Source: E404219-01**					Prepared: 04/22/24 Analyzed: 04/23/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	0.517	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.36*		*8.00*		*92.0*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2417018-BLK1)									Prepared: 04/22/24 Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*50-200*			
LCS (2417018-BS1)									Prepared: 04/22/24 Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	313	25.0	250		125	38-132			
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			
Matrix Spike (2417018-MS1)				**Source: E404220-01**					Prepared: 04/22/24 Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	314	25.0	250	ND	126	38-132			
Surrogate: n-Nonane	*56.8*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2417018-MSD1)				**Source: E404220-01**					Prepared: 04/22/24 Analyzed: 04/23/24
Diesel Range Organics (C10-C28)	309	25.0	250	ND	124	38-132	1.50	20	
Surrogate: n-Nonane	*54.9*		*50.0*		*110*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Paul 25 CTB	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	
Dallas TX, 75240	Project Manager:	Chad Hensley	4/26/2024 12:05:04PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2417010-BLK1)									Prepared: 04/22/24 Analyzed: 04/22/24
Chloride	ND	20.0							
LCS (2417010-BS1)									Prepared: 04/22/24 Analyzed: 04/22/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2417010-MS1)				**Source: E404222-02**					Prepared: 04/22/24 Analyzed: 04/22/24
Chloride	561	200	250	324	94.7	80-120			
Matrix Spike Dup (2417010-MSD1)				**Source: E404222-02**					Prepared: 04/22/24 Analyzed: 04/22/24
Chloride	571	200	250	324	98.7	80-120	1.75	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Matador Resources, LLC.	Project Name:	Paul 25 CTB	
5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	**Reported:**
Dallas TX, 75240	Project Manager:	Chad Hensley	04/26/24 12:05

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador	Company: Talon LPE	Lab WO# E404217	Job Number 23042-0001	1D 2D 3D Std: Std X
Project Name: Paul 25 CTB	Address:			NM X CO UT TX
Project Manager: C. Hensley	City, State, Zip:			
Address: 408 W. Texas	Phone:			
City, State, Zip: Artesia, NM, 88210	Email:			
Phone: 575-706-7484	Miscellaneous:			
Email: RPlogger@TalonLPE.com				

Analysis and Method

EPA Program

SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
1311	4-19-24	Soil	1	C-1 0-1'		1	X	X	X		X							
1350				SW-1		2												
1355				SW-2		3												
1401				SW-3		4												
1410				SW-4		5												

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-19-24	6:00		4.19.24	1800
	4.19.24	2400		4/22/24	0830

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/22/2024 10:53:26AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	04/22/24 08:30	Work Order ID:	E404217
Phone:	(972) 371-5200	Date Logged In:	04/19/24 16:30	Logged In By:	Alexa Michaels
Email:		Due Date:	04/26/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 353695

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAB1708850091**
Incident Name	**NAB1708850091 PAUL 25 24S 28E RB #221H @ 30-015-43018**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-43018] PAUL 25 24S 28E RB #221H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PAUL 25 24S 28E RB #221H
Date Release Discovered	12/25/2016
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Tank (Any) | Crude Oil | Released: 5 BBL | Recovered: 2 BBL | Lost: 3 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

District I
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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/13/2024

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 500 and 1000 (ft.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	5110
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	11690
GRO+DRO (EPA SW-846 Method 8015M)	11690
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	08/31/2023
On what date will (or did) the final sampling or liner inspection occur	04/19/2024
On what date will (or was) the remediation complete(d)	04/19/2024
What is the estimated surface area (in square feet) that will be reclaimed	762
What is the estimated volume (in cubic yards) that will be reclaimed	142
What is the estimated surface area (in square feet) that will be remediated	762
What is the estimated volume (in cubic yards) that will be remediated	142
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/13/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**309113**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/08/2023**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	200
What was the total volume (cubic yards) remediated	7.5
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	762
What was the total volume (in cubic yards) reclaimed	142
Summarize any additional remediation activities not included by answers (above)	N/A

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 06/13/2024

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QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 353695

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 353695
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	6/13/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/13/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/13/2024